

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application. Kindly cancel Claims 1 through 58. Kindly add new Claims 59 through 78 as follows:

LISTING OF CLAIMS

1. - 58 (Cancelled)

59. (New) A cordless power tool comprising:

a cordless power tool having a housing including a mechanism for coupling with a removable battery pack;

said removable battery pack comprising a housing with one or more cells in said housing, an inlet in said battery pack housing for enabling fluid to enter into said housing when said cordless power tools is in use, an outlet in said battery pack housing enabling fluid to exit said housing; and

a mechanism associated with said battery pack for dissipating heat from said battery pack.

60. (New) The cordless tool according to Claim 59, wherein said mechanism at least one channel for moving fluid to said one or more cells and through said housing.

61. (New) The cordless tool according to Claim 59, wherein said mechanism includes a heat sink for dissipating heat from said one or more cells.

62. (New) The cordless tool according to Claim 59, wherein said mechanism includes a fan for forcing fluid through said vent system to dissipate heat from the battery pack housing.

63. (New) The cordless tool according to Claim 59, wherein said mechanism includes at least one fluid director for moving fluid to said one or more cells.

64. (New) The cordless tool according to Claim 59, further including a heat pump for providing cooling and heating of said one or more cells in said battery pack housing.

65. (New) The cordless tool according to Claim 59, wherein said mechanism includes a sensor for sensing temperature of said one or more cells and a heat dissipator for equalizing the temperature of said plurality of cells.

66. The cordless tool according to Claim 65, said heat dissipator wicks heat from hotter cells to ambient or to other cells to equalize cell temperature.

67. (New) The cordless tool according to Claim 59, wherein said mechanism includes fluid directors for moving fluid around higher temperature cells of said one or more cells and a heat sink for dissipating heat from higher temperature cells of said one or more cells.

68. (New) The cordless tool according to Claim 59, wherein said mechanism includes fluid directors for moving fluid around higher temperature cells of said plurality of cells and a fan for forcing fluid through said vent system to dissipate heat from the battery pack housing.

69. (New) The cordless tool according to Claim 59, wherein said mechanism includes a heat sink for dissipating heat from higher temperature cells of said one or more cells and a fan for forcing fluid through said vent system to dissipate heat from the battery pack housing.

70. (New) A removable battery pack for a hand held cordless tool having a mechanism for coupling and decoupling the removable battery pack comprising:

a housing with one or more cells in said housing, an inlet and outlet in said housing for enabling fluid to enter and exit said housing and means on said housing for coupling and decoupling said battery pack with the mechanism of the hand held tool; and

a mechanism associated with said battery pack for dissipating heat in said battery pack housing.

71. (New) The removable battery pack according to Claim 70, wherein said mechanism includes at least one fluid director for moving fluid to said one or more cells.

72. (New) the removable battery pack according to Claim 70, wherein said mechanism includes at least one channel for moving fluid through said housing.

73. (New) The removable battery pack according to Claim 70, wherein said mechanism includes a heat sink for dissipating heat from said one or more cells.

74. (New) The removable battery pack according to Claim 70, further including a heat pump for providing cooling and heating of said one or more cells in said battery pack housing.

75. (New) The removable battery pack according to Claim 70, wherein said mechanism includes a sensor for sensing temperature of said one or more cells and a heat dissipator for equalizing the temperature of said plurality of cells.

76. (New) A removable battery pack for a hand held cordless tool having a mechanism for coupling and decoupling with the removable battery pack comprising:

a housing with one or more cells in said housing, an inlet and an outlet in said housing for enabling fluid to enter and exit said housing and a member on said housing for mating said battery pack with the mechanism of the hand held tool; and

a mechanism associated with said battery pack for dissipating heat in said battery pack housing.

77. (New) A removable battery pack for a hand held cordless tool having a mechanism for coupling and decoupling with the removable battery comprising:

a housing with one or more cells in said housing, an inlet and an outlet in said housing for enabling fluid to enter and exit said housing and said housing mating with the mechanism of the hand held tool; and

a mechanism associated with said battery pack for dissipating heat in said battery pack housing.